



AF/2811

PTO/SB/21 (12/97)  
Approved for use through 9/30/2000. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application No.	09/473,305
		Filing Date	December 28, 1999
		First Named Inventor	Kristopher Frutschy
		Group Art Unit	2811
		Examiner Name	N. Parekh
Total Number of Pages in This Submission		Attorney Docket Number	42390P7663

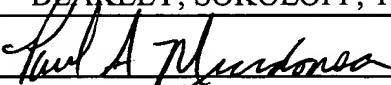
### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Assignment Papers (for an Application)  <input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Response  <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> To Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):  <div style="border: 1px solid black; padding: 5px; min-height: 100px; width: 100%;">Return Receipt Postcard</div>
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		Remarks

MAY 30 2001  
TECHNOLOGY CENTER 2800

RECEIVED

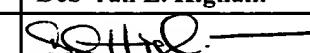
### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Paul A. Mendonsa, Reg. No. 42,879  BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	May 21, 2001

### CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail with sufficient postage in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:

May 21, 2001

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Signature	
	Date
	May 21, 2001

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Please type a plus sign (+) inside this box

→ +

PTO/SB/17 (12/99)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**FEES TRANSMITTAL  
for FY 2000**

MAY 24 2001

*Patent fees are subject to annual revision.*

**TOTAL AMOUNT OF PAYMENT** (\$)

0.00

**Complete if Known**

Application No.	09/473,305
Filing Date	December 28, 1999
First Named Inventor	Kristopher Frutschy
Examiner Name	N. Parekh
Group/Art Unit	2811
Attorney Docket Number	42390P7663

**METHOD OF PAYMENT** (check one)

1.  The Commissioner is hereby authorized to credit any overpayments to:

Deposit Account Number **02-2666**

Deposit Account Name **Blakely, Sokoloff, Taylor & Zafman LLP**

Charge Any Additional Fee(s) Required Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

Applicant claims small entity status. See 37 CFR 1.27.

2.  **Payment Enclosed:**

Check  Credit card  Money Order  Other

**FEE CALCULATION**

1. **BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

**SUBTOTAL (1)** (\$)

2. **EXTRA CLAIM FEES**

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid

*\*\*or number previously paid, if greater. For Reissues, see below*

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	260	204	135	Multiple Dependent claim, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

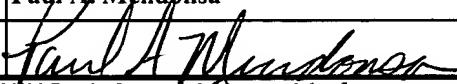
**SUBTOTAL (2)** (\$)

3. **ADDITIONAL FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	390	216	195	Extension for response within second month	
117	890	217	445	Extension for response within third month	
118	1,390	218	695	Extension for response within fourth month	
128	1,890	228	945	Extension for response within fifth month	
119	310	219	155	Notice of Appeal	30
120	310	220	155	Filing a brief in support of an appeal	200
121	270	221	135	Request for oral hearing	200
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	200
141	1,240	241	620	Petition to revive - unintentional	200
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					
Other fee (specify)					
* Reduced by Basic Filing Fee Paid					
<b>SUBTOTAL (3)</b> (\$)					0.00

**SUBMITTED BY** Complete (if applicable)

Name (Print/Type)	Paul A. Mendonsa	Registration No. (Attorney/Agent)	42,879	Telephone	(503) 684-6200
Signature				Date	05/21/01

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42390.P7663



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frutschy, et al.

Serial No.: 09/473,305

Filed: December 28, 1999

For: DIRECT BGA ATTACHMENT  
WITHOUT SOLDER REFLOW

Examiner: N. Parekh

Group Art Unit: 2811

Attorney Docket No.: 42390-P7663

10//Response  
G. Sterky  
5-31-01

CERTIFICATE OF MAILING

I hereby certify that this paper or fee along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail (under 37 C.F.R. § 1.8(a)) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

5/21/01  
Date of Deposit

Deborah L. Higham  
Signature of registered practitioner or other  
person having reasonable basis to expect mailing  
to occur on date of deposit shown pursuant to 37  
C.F.R. § 1.8(a)(1)(ii)

DEBORAH L. HIGHAM  
Typed/printed name of person whose signature is  
contained above

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TECHNOLOGY CENTER 2800

RESPONSE AFTER FINAL REJECTION

Box AF  
Hon. Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the March 22, 2001 Office Action, please consider the following remarks.

REMARKS

This Response After Final Rejection is in response to the Final Official Action mailed March 22, 2001 and is submitted to put the pending case into condition for allowance or into